



The Hilltop Review

Volume 10
Issue 1 *Fall*

Article 8

December 2017

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Dvorak, Katherine. "Stylolites in Color". 2014. psd.

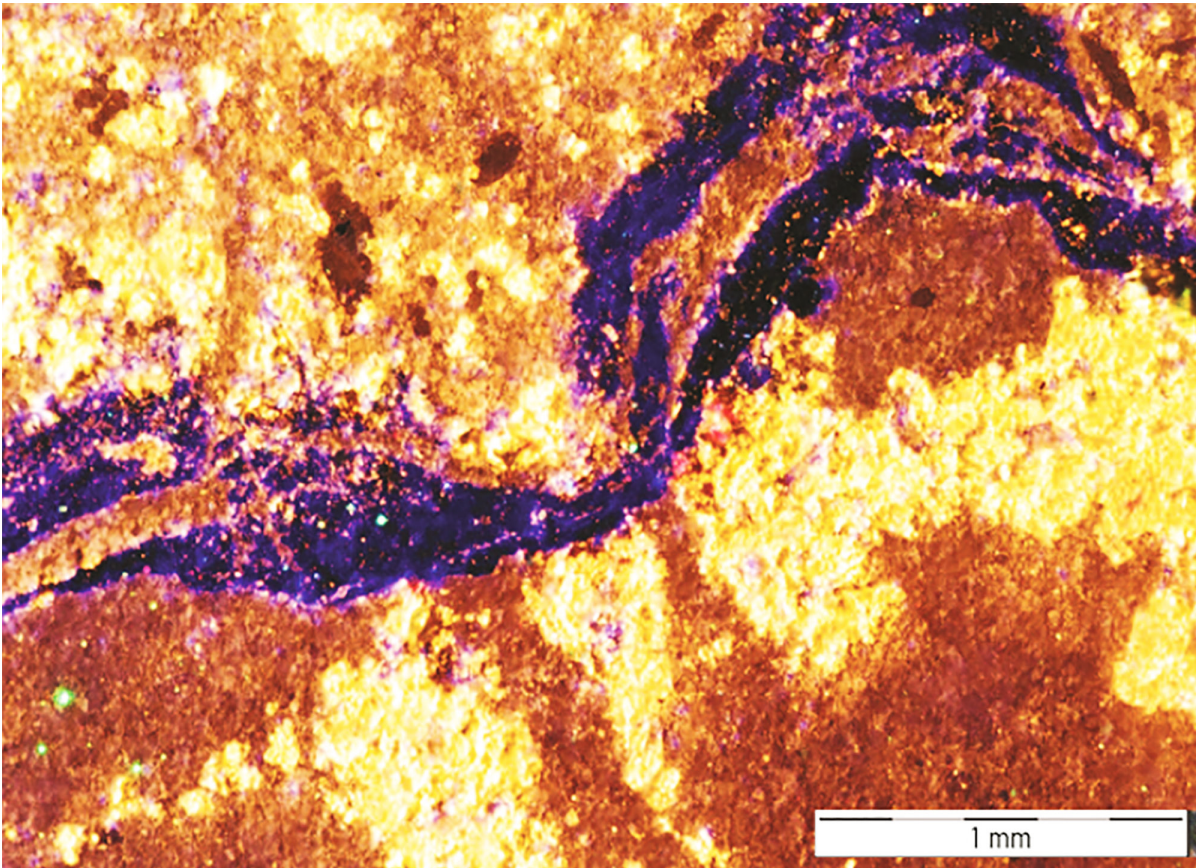
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STYLOLITE

CATHODOLUMINESCENCE UNDER CROSS POLARIZED LIGHT

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Stylolites are solution seams where the rock is literally dissolved from excess pressure. Usually uninteresting to the naked eye, geoscientists will make thin sections of these rocks and analyze them underneath the microscope. When the cathodoluminescence technique is applied to these thin sections amazing colors from different minerals become visible. This limestone fluoresces yellow colors where calcite is present. Blue is the most likely presence of some barite and little green or red specks indicate other trace minerals.